

D-117

FABRIC SOFTENER

12% CONCENTRATION

GUIDELINE FORMULARY

DESCRIPTION

Domestic fabric softener
Ecological and biodegradable product
Good rewet ability
Anti-static effect, specially on synthetic fabrics
Process temperature between 40°C and 50°C

COMPOSITION

	%
TETRANYL® L1/90S	13.5
Dye(s)	3.6
KAO Fragrance	0.8
Preservative	0.1
CaCl ₂ · 2H ₂ O (at 15%)	e.q
Deionized Water	Up to 100%

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear viscous liquid	KCSA-258
pH (as it is):	2.5 -3.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	50 - 100	KCSA-227
SURFACTANT ACTIVE MATTER (%):	Approx. 12	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat up water to 55°C.

Agitation is required along the whole process.

Add dye(s) to the water and wait until complete homogenization.

Add TETRANYL® L1/90S and homogenize during 20' until a complete dispersion.

Add CaCl₂ · 2H₂O and stir 10' until complete homogenization.

Cool down the temperature until 30 - 35°C.

Add perfume and preservative once the 35°C temperature are reached , stir after each addition until complete homogenization.

Cool down the temperature until room temperature.

If required, final adjustment of viscosity by addition of CaCl₂ · 2H₂O.

Unload after 15' of stirring.

COMMENTS

Viscosity depends on: Process temperature; Agitation type, time and speed; fragrance (type and quantity).

Dye needs to be compatible with cationic surfactants. Normally blue color is used.

It is always advised to used a preservative (compatible and stable)

COMPONENTS

TETRANYL® L1/90S (Partially hydrogenated tallow esterquat, ≈ 90% a.m.): cationic character. Advised to prepare concentrated and ecological fabric softeners.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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